

## FinnSonic CAVITEC industrial detergents for ultrasonic cleaning

Product	Description	PH conc.	Main applications	Notes	Usage parameters	Bath control	ADR/ IMDG Calssified	Density
<b>Alkaline</b>								
CAVITEC HD PRO	High alkaline detergent (liquid, concentrate)	13,5	Maintenance cleaning of moulds, tools, engine parts with burned on polymers, oils, grease. Alkaline rust removal. Cleaning of lapping and polishing paste. Effective also on graphite and MoS2 grease.	Suitable for ferrous materials. Limited suitability for copper and brass, test before use. Will etch aluminium and zink. Demulsifying. Suitable also for spray cleaning. High dispersing and complexing capability.	Maintenance cleaning: 10 – 40 %, 60 -80°C Production cleaning: 2 – 10%, 40 -60°C	Titration: 5 ml sample, phenolphthalein, 0,1 N HCl, titration factor 0,72 (%w)	Class 8, UN 1814*	1,30
CAVITEC MULTI	Alkaline detergent (liquid, concentrate)	13	For removal of machining fluids, chip residues and other contamination from metal components	Extensive material compatibility: steel, cast iron, zinc, aluminum, brass, copper. Excellent low temperature performance 35 – 40°C. Strong demulsifying effect, long bath life. Good corrosion protection. No rinsing required if used at < 2% concentration. Contains silicates, move to rinsing wet. Suitable also for spray cleaning.	1 – 6 %, 35 – 80°C	Titration: 10 ml sample, phenolphthalein, 0,1 N HCl, titration factor 0,79	Class 8, UN 1760	1,15
<b>Neutral</b>								
CAVITEC BASIO	Neutral detergent (liquid, concentrate)	8,3	For removal of grease, polishing waxes and other contamination. Excellent material compatibility. Particularly suitable for copper, light metals and their alloys, steel and plastics.	Excellent low temperature performance from 30°C. Good corrosion protection. Demulsifying. Short dripping time, easy to rinse off. Biodegradable.	3 - 6 %, 30 – 60 °C, up to 80 °C with hard to clean polishing wax.	Titration: 10ml sample, bromophenol blue, 0.1 N HCl, titration factor 2,05	-	1,035
<b>Acid</b>								
CAVITEC DISCO	Strongly acidic (liquid, concentrate)	1,5	For removing oxide layers and lime scale deposits on ferrous metals and light alloys.	With good degreasing capability. Emulsifying. Will etch zinc. Biodegradeable tensides. May phosphatize steel when used above 35°C.	2 -10 %, 20 – 60°C	Titration: 10ml sample, phenolphthalein, 0.1 N NaOH, titration factor 0,14	Class 8, UN 1805	1,23

\* According to IMDG code UN 1814 and UN 3267 must be separated from UN 1805 in ocean freight. I.e. they must be shipped as separate consignments.

Product	Description	PH conc.	Main applications	Notes	Usage parameters	Bath control	ADR/ IMDG Calssified	Density
<b>Alkaline</b>								
USF 125	High alkaline detergent (liquid, concentrate)	14	Maintenance cleaning of moulds, tools, engine parts with burned on polymers, oils, grease. Alkaline rust removal.	Suitable for ferrous materials only.	10 - 35%, up to 85°C		Class 8, UN 1814*	1,49
USF 3	Alkaline detergent (liquid, concentrate)	13,4	Cleaning of e.g. oils and other organic contaminants from metals and plastics.	Demulsifying. Corrosion inhibitor. Test compatibility with sensitive materials before use.	3 - 5%, 40 - 60°C		Class 8, UN 1760	1,065
DST 9	Low alkaline detergent (liquid, concentrate)	9,7	Cleaning of e.g. oils from ferrous metals.	Demulsifying, good corrosion inhibitor	5%, 38°C -	>7,5 mS/cm	-	1,09
DST T2	Low alkaline detergent (liquid, concentrate)	9,3	Post treatment for T1 after thermal deburring.	Demulsifying	5%, 38°C -	>7,5 mS/cm	-	1,14
<b>Neutral</b>								
USF 4	Neutral detergent (liquid, concentrate)	8,9	Cleaning of polishing and grinding compounds and cutting oils from all metals.	Corrosion inhibitor: leaves hydrofobic film. Emulsifying. Suitable for most materials.	3 - 5%, 60 - 90°C		-	1,032
DST T1/T3	Neutral detergent (liquid, concentrate)	6,5	Cleaning after thermal deburring. Removal of oxidation and rust	Parts must be degreased before treatment with T3	30%, 20°C -	>45 mS/cm	-	1,23
<b>Acid</b>								
USF 11	Acidic detergent (liquid, concentrate)	2	Removing oxides and scale on ferrous metals and light alloys.	Demulsifying. With degreasing ability. Citric acid based. Avoid zinc containing materials.	1 - 8%, 40 - 60°C		-	1,12
<b>Corrosion inhibitor</b>								
USF Norust 1	Alkaline corrosion inhibitor (liquid, concentrate)	11,5	Temporary protection against rust for steel and cast iron. Mainly for rinsing baths.	Treatment time 1 – 5min	1 – 4% for steel 3 – 6% for cast iron. Up to 60°C		Class 8, UN 3267*	1,02
<b>Special</b>								
PSF 7E	Paint remover (liquid, ready to use)	12	Paint removal from metal parts and tools. Resin (e.g. Polyester, epoxy) removal from metal parts and tools. Metal mould and mixing screw cleaning with polyurethane casting.	Biodegradable	use undiluted, 50 - 70°C	PH >10, separate sludge regularly	-	1,03
PSF A	Activator for PSF-7 paint remover (liquid, ready to use)	14	Reactivation of PSF-7 paint remover.		add 1 - 2 % of tank volume		Class 8, UN 1814*	1,08